

Fig. 6A is a diagram showing the conoid peripheral zone.

Fig. 7 is a diagrammatic illustration of an edge zone in the peripheral zone of a lens according to an embodiment of the invention.

Fig. 8A - 8C show schematically the relationship between the peripheral zone and the corneal surface of a patient.

Figs. 9-13 show the lens design for a first example of the present invention, and include a spreadsheet of lens parameters, a graph showing the elevation of the lens zones from the cornea, a plot of the individual and cumulative volumes under the lens zones, a semi-meridian cross section of the lens and a plot showing the front and back curves in each of the zones of the lens.

Figs. 14-18 show the lens design for a second example of the present invention, and include a spreadsheet of lens parameters, a graph showing the elevation of the lens zones from the cornea, a plot of the individual and cumulative volumes under the lens zones, a semi-meridian cross section of the lens and a plot showing the front and back curves in each of the zones of the lens.

Figs. 19-23 show the lens design for a third example of the present invention, and include a spreadsheet of lens parameters, a graph showing the elevation of the lens zones from the cornea, a plot of the individual and cumulative volumes under the lens zones, a semi-meridian cross section of the lens and a plot showing the front and back curves in each of the zones of the lens.

Figs. 24-28 show the lens design for a fourth example of the present invention, and include a spreadsheet of lens parameters, a graph showing the elevation of the lens zones from the cornea, a plot of the individual and cumulative volumes under the lens zones, a semi-meridian cross section of the lens and a plot showing the front and back curves in each of the zones of the lens.

Fig. 29 is a partial cross section of the edge of the lens as shown in the example of Figs. 24-28.

Figs. 30-34 show the lens design for a fifth example of the present invention, and include a spreadsheet of lens parameters, a graph showing the elevation of the lens zones from the cornea, a plot of the individual and cumulative volumes under the lens zones, a semi-meridian cross section of the lens and a plot showing the front and back curves in each of the zones of the

Figs. 35-39 show the lens design for a sixth example of the present invention, and include a spreadsheet of lens parameters, a graph showing the elevation of the lens zones from the cornea, a plot of the individual and cumulative volumes under the lens zones, a semimeridian cross section of the lens and a plot showing the front and back curves in each of the zones of the lens.

Fig. 40 shows a method of fitting a patient in an embodiment of the invention.

Fig. 41 shows a schematic representation of a patient's eye and the lens according to the invention for visualizing the fit therebetween.

Fig. 42 shows a flowchart for a computer program according to an embodiment of the invention.